

Ariel J Ben-Sasson

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

511
citations

933447

10
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

540
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of biologically active binary protein 2D materials. <i>Nature</i> , 2021, 589, 468-473.	27.8	85
2	Patterned electrode vertical field effect transistor fabricated using block copolymer nanotemplates. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	78
3	Unraveling the Physics of Vertical Organic Field Effect Transistors through Nanoscale Engineering of a Self-Assembled Transparent Electrode. <i>Nano Letters</i> , 2012, 12, 4729-4733.	9.1	74
4	Patterned electrode vertical field effect transistor: Theory and experiment. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	61
5	Self-Assembled Metallic Nanowire-Based Vertical Organic Field-Effect Transistor. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 2149-2152.	8.0	58
6	Solution-processed ambipolar vertical organic field effect transistor. <i>Applied Physics Letters</i> , 2012, 100, 263306.	3.3	45
7	The Mechanism of Operation of Lateral and Vertical Organic Field Effect Transistors. <i>Israel Journal of Chemistry</i> , 2014, 54, 568-585.	2.3	40
8	Low-Temperature Molecular Vapor Deposition of Ultrathin Metal Oxide Dielectric for Low-Voltage Vertical Organic Field Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2462-2468.	8.0	29
9	Fast switching characteristics in vertical organic field effect transistors. <i>Applied Physics Letters</i> , 2013, 103, 073502.	3.3	24
10	Patterned electrode vertical OFET: analytical description, switching mechanisms, and optimization rules. <i>Proceedings of SPIE</i> , 2011, , .	0.8	12
11	Precision materials: Computational design methods of accurate protein materials. <i>Current Opinion in Structural Biology</i> , 2022, 74, 102367.	5.7	2